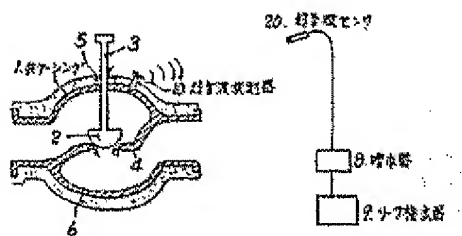


**MONITORING DEVICE FOR VALVE LEAK****Publication number:** JP63169532**Publication date:** 1988-07-13**Inventor:** NISHIMURA MASA HARU**Applicant:** MITSUBISHI HEAVY IND LTD**Classification:****- international:** G01M3/24; G01M3/24; (IPC1-7): G01M3/24**- European:** G01M3/24**Application number:** JP19870000819 19870106**Priority number(s):** JP19870000819 19870106[Report a data error here](#)**Abstract of JP63169532**

**PURPOSE:** To monitor valves in plural cases and to easily fix a valve where there is a leak by fitting an ultrasonic wave emission device to valve casing and detecting an ultrasonic wave generated owing to the valve leak. **CONSTITUTION:** The ultrasonic wave emission device 10 is fitted to the valve casing 1 while penetrating a heat insulator 6. If a valve leak occurs, an ultrasonic wave is radiated there and detected by an ultrasonic wave sensor 20 installed in air, thereby detecting whether or not there is the leak by a leak detector 9 through an amplifier 8. Further, when plural valves are monitored by one ultrasonic wave sensor 20, the ultrasonic wave sensor 20 is directed to the ultrasonic wave emission device fitted to a target valve successively to detect the occurrence of the leak. Consequently, the plural valves are monitored by one aerial ultrasonic wave sensor 20 to easily fix the valve where there is the leak, so the reliability of the device can be improved.

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